

Appendix H

Examples of Manufacturer Efficacy Claims for Non-Chlorinated Products

Note: mention of trade names or commercial products does not constitute endorsement or recommendation for use.



Brake Maintenance

BRAKE CLEANER

Effectively removes brake fluid, grease, oil and other contaminants from all brake parts including brake linings, disc brake pads, drums, cylinders, springs and other related brake parts. Non-flammable, quick drying formula which leaves no residue.

Sizes Available:

Part #1401	1 Gal. Can
Part #1405	5 Gal. Can
Part #1420	20 Oz. Aerosol
Part #1425	25 Oz. Aerosol PROFESSIONAL
Part #1455	55 Gal. Drum



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BRAKE CLEANER (Non-Chlorinated)

Specially formulated to clean as well as chlorinated brake cleaners without the chlorinated solvents. Tackles the toughest oil, brake fluid, grease and grime deposits. Dries quickly leaving no residue.

Sizes Available:

Part #2401	1 Gal. Can
Part #2405	5 Gal. Can
Part #2407	5 Gal. Can / Heptane Formula
Part #2414	14 Oz. Aerosol / Heptane Formula
Part #2419	19 Oz. Aerosol / Heptane Formula / PROFESSIONAL
Part #2420	14 Oz. Aerosol
Part #2421	19 Oz. Aerosol / PROFESSIONAL
Part #2455	55 Gal. Drum



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AIR BRAKE ANTIFREEZE AND CONDITIONER

Complete winter protection for air brake systems. Eliminates the risk of cold weather airline problems and freeze-ups. Inhibits corrosion and prevents buildup on critical air valves and air strainers. Compatible with all alcohol evaporative air brake, air induction, supercharged and turbocharged systems.

Sizes Available:

Part #2301	1 Gal. Can
Part #2305	5 Oz. Pour Can
Part #2332	32 Oz. Pour Can
Part #2355	55 Gal. Drum



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Parts Cleaners

CHEM-DIP® COLD PARTS CLEANERS

Fast acting immersion cleaner for all metal parts including alloys. Non-corrosive to metal and requires no agitation. Has a chemical seal to retard evaporation and to aid in emulsification. Removes carbon, varnish, paint, sludge and grease fast. Use for cleaning transmissions, carburetors, valves and other hard to clean parts.

Sizes Available:

Part #0901	1 Gal. Can (Replenisher)
Part #0902	1 Gal. w/basket PROFESSIONAL
Part #0905	5 Gal. Net Pail PROFESSIONAL
Part #0996	3/4 Gal. w/basket
Part #0950	Basket for #0905



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B-33® ENGINE DEGREASER

Emulsifies road grime, dirt and grease so that they may be rinsed off in an approved facility. Contains no chlorinated solvents and contains less than 50% V.O.C.'s by weight. Excellent for cleaning engines, small engine parts, lawn mowers, hand tools, machinery, fleet, farm and marine equipment.

Part #1116	16 Oz. Aerosol
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ELECTRONIC CLEANER

Ideal for cleaning and degreasing printed circuits, switches, relays, rheostats, contact points and diagnostic test equipment. Removes lint, oil and dust from tape heads, tuners, VCR's and other electronic equipment. To clean electrical motors or components including armatures, windings and brushes see Electric Motor Cleaner Part #1520 above.



Part #2206

4.5 Oz. Aerosol

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SURE SHOT SPRAYERS

Provides a uniform spray using Berryman's bulk size cleaners. These sprayers use shop air as the propellant. Refillable and Rechargeable.

Sizes Available:

Part #0960

**16 Oz. Stainless Steel
Atomizer**

Part #0961

**16 Oz. Aluminum Plated
Atomizer**

Part #0970


**1 Qt. Chrome Plated Brass
Atomizer**

Part #0971

**1 Qt. Painted Steel
Sprayer**



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Carburetor Cleaners

B-12 CHEMTOOL® CARBURETOR AND CHOKE CLEANER / AEROSOL

Quickly dissolves gum and varnish from the carburetor, PCV valve, automatic choke, carburetor linkage and distributor shaft with high energy solvent technology (H.E.S.T.). Improves driveability by removing deposits that cause rough idle and stalling.

Sizes Available:

Part #0113	13 Oz. Aerosol w/spray anyway valve
Part #0117	16.25 Oz. Aerosol w/spray anyway valve
Part #0120	20 Oz. Aerosol PROFESSIONAL
Large capacity can provide extended use with new spray any way valve to reach those difficult components.	
Part #0152	5.2 Oz. Aerosol
Part #1110	9 Oz. Aerosol



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B-12 CHEMTOOL® CARBURETOR CLEANER / POUR IN

Cleans petroleum residue and disperses moisture from the fuel system, fuel injector, valves, rings, pistons, oil returns, lifters, PCV valve and oil pump screen with high energy solvent technology (H.E.S.T.). Regular use insures higher compression, fewer repairs, lower operation costs, increased spark plug and injector life.

Sizes Available:

Part #0101	1 Gal. Can
Part #0105	5 Gal. Can
Part #0116	16 Oz. Pour Can
Part #0155	55 Gal. Drum
Part #0216	16 Oz. Squirt Can



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PRODUCT INFORMATION



NON CHLORINATED BRAKE CLEANER (AEROSOL)

CODE: M7-15

PAGE: 1 of 1

DATE: September, 99

FUNCTION AND APPLICATION: Quickly dissolves and flushes away surface contaminants such as brake fluid, oil, and grease from brake linings, drums, other brake parts and CV joint assemblies. It cleans instantly and can be applied without disassembling the brake unit

OUTSTANDING PROPERTIES: Leaves no residue and helps stop disc brakes squeal and "chatter". Helps retard the release of asbestos dust and other airborne particulate matter. Use SOLDER SEAL® GUNK® BRAKE CLEANER on: conventional brake units, linings and shoes, drums, cylinders, springs, disc brake units C.V. joints, caliper units, brake pads, discs, and related parts. Contains no chlorinated solvents.

USE DIRECTIONS: Protect rubber or plastic brake parts, seals, and painted surfaces from spray. First turn engine off then lightly wet down surfaces to be cleaned by spraying in short bursts from a distance of 18 to 24 inches. **Do not spray on hot metal surfaces like exhaust pipes.** After the surfaces have been wetted, continue spraying at a distance of 12 to 18 inches to flush contaminants from surfaces. Spray brake parts thoroughly, then allow to air dry or wipe with soft clean cloth. If deposits are heavy, repeat application.

PRODUCT LIMITATIONS: This product will attack painted surfaces and plastic. If sprayed on, do not rub surfaces, flush with water immediately.

PRECAUTIONS: Contains Xylene (CAS# 1330-20-7), heptane (CAS# 142-82-5), acetone (CAS# 67-64-1), phenyl ethane (CAS#100-41-4) and Carbon Dioxide (CAS# 124-38-9). Contents under pressure. Use only in well-ventilated area away from heat,

sparks, and flame. Pilot lights of furnaces, hot water tanks or even static electricity can ignite vapors explosively. Do not breathe asbestos, dust particles, or vapors. Use only in a well-ventilated area, open doors and windows to prevent vapor build up. NIOSH approved respirator recommended; may be required for professional users; consult MSDS for exposure

FIRST AID: For EYE contact: Flush thoroughly with water for 15 minutes lifting upper and lower eyelids occasionally. If irritation persists, consult a physician. For SKIN contact: Wash thoroughly with soap and water. IF SWALLOWED, CALL PHYSICIAN IMMEDIATELY: DO NOT INDUCE VOMITING. Aspiration into lungs can cause chemical pneumonitis, which can be fatal. Never give anything by mouth to an unconscious person. If INHALED, remove to fresh air, give artificial respiration or administer oxygen. Get medical attention.

STORAGE AND HANDLING: Store in a cool, dry, well ventilated area. Do not puncture, crush or incinerate (burn) can. KEEP AWAY FROM CHILDREN.

DISPOSAL: Disposal of product runoff in water courses, sewers, or on the ground is prohibited. Proper disposal includes collecting and recycling. Always use and dispose of product, container, and residue in accordance with all local, state and federal laws and regulations. Emptied containers contain product residue, so follow all warnings even after container is emptied.

CONTAINER DESCRIPTION: This product is available in 15 oz (425g) aerosol container.

Radiator Specialty Company

P.O. BOX 34689 / CHARLOTTE, N.C. 28234 / TELEPHONE 704-377-6555

NOTICE: WHILE THIS INFORMATION IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, RADIATOR SPECIALTY COMPANY DOES NOT GUARANTEE SATISFACTORY RESULTS FROM RELIANCE THEREON. THE DATA IS OFFERED SOLELY FOR YOUR INFORMATION AND RADIATOR SPECIALTY COMPANY DISCLAIMS ALL LIABILITY FOR ANY LOSS OR DAMAGE FROM ITS USE. THOROUGHLY TEST ANY APPLICATION ACCORDING TO THE PRODUCT DIRECTIONS AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE. NOTHING CONTAINED HEREIN IS TO BE CONSTRUED AS A RECOMMENDATION TO USE THE PRODUCT IN VIOLATION OF ANY PATENT.



Johnsen's Ultimate Fuel System Cleaner

Johnsen's Ultimate Fuel System Cleaner eliminates the need to purchase different additives and cleaners. It does everything you need to keep your fuel system clean, including injectors, intake valves, combustion chamber and entire emission system. Johnsen's Ultimate Fuel System Cleaner also helps eliminate knock and ping associated with low octane fuels and helps to remove moisture in the fuel system. Johnsen's Ultimate Fuel System Cleaner comes in 16 fluid oz. bottles. Just pour it in your gas tank. Available in twelve each, pre-packed counter top display (#4675) or forty-eight each floor-side stack display (#4675S). Feel the difference or your money back, guaranteed!

Brake Parts Cleaner

Part No. 2420 - 18 oz., 12 per case

Removes brake fluid, grease, oil and other contaminants from brake parts and drums quickly and easily. Stops disc brake squeal. Large 20 oz. pressurized can.



Non-Chlorinated Brake Parts Cleaner

Part No. 2413 - 15 oz., 12 per case

Part No. 2415 - 5 Gal., one each

Non-ozone depleting and non-carcinogen brake parts cleaner works effectively and dries fast. High power spray.



Engine Degreaser

Part No. 4644 - 16 oz., 12 per case

A premium degreaser which is self emulsifying. Two active ingredients mix with both oil and water. When sprayed on and washed off, the water actually pulls oil and grease off the surface of the engine.

Johnsen's Engine Degreaser also contains a grease cutter to loosen heavier build-ups. A special stream nozzle allows the user to direct the flow exactly where it is needed.



Carburetor Cleaner

Part No. 4642 - 15 oz., 12 per case

Removes varnish, sludge and other deposits from carburetor, linkage, PCV valves and automatic choke. Will not affect oxygen sensor.



Engine Flush

Part No. 4608 - 32oz, 12 per case

Part No. 4609 - Qt, 12 per case

A premium crankcase cleaner. While some products are only a solvent, Johnsen's Engine Flush also contains a special residue solubilizer and a high quality oil. Use prior to changing oil.



CRC Industries, Inc.

Product Information Sheet

Product Name: BRAKE PARTS CLEANER (NON-CHLORINATED)

Product Description: •Quickly removes brake fluid, grease, oil from brake linings and pads. •Leaves no residue •Degreases instantly •Contains no chlorinated solvents



Product Number	Unit Size	Units Per Case
85A	20 Oz Aerosol	12

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Phone: (215) 674-4300 Fax: (215) 674-2196



CRC Industries, Inc.

Product Information Sheet

Product Name: CRC BRAKLEEN® BRAKE PARTS CLEANER NON-CHLORINATED

Product Description: Use where compliance calls for a chlorine free product. Quickly removes brake fluid, grease, oil and other contaminants from brake linings and pads. •Cleans fast/Dries fast/No residue •Degreases instantly •Contains no chlorinated solvents



Product Number	Unit Size	Units Per Case
05088	20 Oz Aerosol	12
05085	1 Gal bottle	4
05086	5 Gal bottle	1
05087	55 Gal Dr	1
05150	20 Oz Aerosol	12

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**LOCTITE**

E-CATALOG

PERMATEX Non-Chlorinated Brake & Parts Cleaner




Permatex® Non-Chlorinated Brake & Parts Cleaner, Penetrates, dissolves and removes dirt and oil from brake systems and metal parts. Safer for aluminum. Leaves no contaminant-attracting residue or chlorinated solvent run-off. Helps manage EPA halide limits. Suggested Applications: All brake systems, C.V. joints, machinery, tools, farm equipment

Product

82220

Description

Non-Chlorinated Brake & Parts Cleaner, 14.75 Oz. Net Wt.
Aerosol 

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BG Automotive Aerosol Products**BG 402 Brake & Contact Cleaner Part No. 402**

Improves efficiency of braking systems, aids in elimination of brake squeal and chatter. Fast-acting solvents quickly remove brake fluid, grease, oil, moisture and other residue from both drum and disc type assemblies. Cleans and dries distributor parts, spark plugs, magnetos, electrical contacts and relays.
Net Wt. 19.75 oz. (560 grams) Volume 12.58 fl. oz.

BG 403 Non-Chlorinated Brake Cleaner Part No. 403

Safely, effectively, rapidly degreases brake linings, drums, cylinders, springs, disc brake pads and other brake parts. Easy to use-applied without disassembling the brake unit. Contains no chlorofluorocarbons.
Net Wt. 15 oz. (347.3 grams) Volume 18.16 fl. oz.

BG Air Intake System Cleaner Part No. 406

Safely and rapidly removes accumulated deposits from the butterfly/throttle valve, throttle body and idle air control valves of the air induction system. Contains lubricants and anti-corrosion ingredients. Safe on oxygen sensors and catalytic converters.
Net Wt. 14.75 oz. (600 ml) Volume 19.9 fl. oz.

BG Inject-A-Flush® Injector Cleaner Part No. 408

Used with the BG Inject-A-Flush® Apparatus (PN 908). Quickly and safely cleans the fuel injection system without removing injectors. In minutes, accumulated gums and oxidized fuel residues are dissolved and removed from the system.
Net Wt. 12 oz. (340 grams) Volume 13.8 fl. oz.

BG Carb and Choke Cleaner Part No. 411**BG Hi-Delivery Carb & Choke Cleaner Part No. 412**

Both products contain a special blend of solvent fluids that remove harmful carbon, gum and varnish deposits. Cleans carburetors, automatic chokes, PCV valves and lines, and manifold heat control valves. Oxygen sensor safe. Contains no lead, silicone or phosphorus. Special Hi-Delivery spray system (PN 412 only) provides extra pressure to remove deposits.
Net Wt. 15.75 oz. (446 grams) Volume 19.44 fl. oz.

BG Silicone Lubricant Part No. 416

Penetrates surface pores and remains fluid without thickening or evaporating through aging. Prevents almost anything from sticking. Extremely long lasting with a wide temperature range.

Net Wt. 12.75 oz. (361 grams) Volume 19.41 fl. oz.

BG Engine Degreaser Part No. 417

Removes grease, oil and dirt from all types of combustion engines, generator engines, industrial machinery, driveways and other applications. Safe on paint, rubber wiring and insulation.

Net Wt. 15.75 oz. (447 grams) Volume 19.99 fl. oz.

BG Fre-It Part No. 435

Seals out and displaces moisture to stop squeaks and improve operation of moving parts, for hundreds of automotive and household uses. Will not harm paints, plastics or rubber. Actuator and 360° valve permit application from any angle in a stream or fine mist.

Net Wt. 11.75 oz. (333 grams) Volume 15.74 fl. oz.

BG In-Force Part No. 438

An ion-activated penetrating oil which stops rust, and lubricates and frees rusted parts. It can also be used in assembly applications. When bonded to metal, it forms a protective coating and lubricating surface which is enhanced by other lubricants and corrosion inhibitors.

Net Wt. 15.75 oz. (446 grams) Volume 20.14 fl. oz.

BG Windshield Defrost'r Part No. 458

Quickly and effectively melts frost and frozen snow on windshields, other glass surfaces and locks. Operates even at -20°F. Will not harm car finishes when used as directed.

Net Wt. 18 oz. (511 grams) Volume 17.59 fl. oz.

BG Glass Cleaner Part No. 460

Cuts through the most stubborn residues such as road film oil, road salt, grease, paint over-spray and bugs. Cleans and brightens all glass surfaces. Won't streak or leave a rainbow. Does not contain silicone.

Net Wt. 18.75 oz. (531 grams) Volume 19.47 fl. oz.

BG Carpet & Upholstery Cleaner Part No. 462

Excellent cleaner, lifts stubborn soil and grime from carpets, rugs, velours and other upholstery materials found in today's automobiles and other vehicles. Does not contain dangerous caustics or abrasives that encourage deterioration.

Net Wt. 14.75 oz. (418 grams) Volume 15.28 fl. oz.

BG White Lithium Grease Part No. 480

Lithium-based lubricant in convenient aerosol container for easy application on hard-to-reach areas. Protects against water and oxidation problems. Outstanding automotive body parts lubricant for door hinges, locks, seat tracks, manual window regulators.

Net Wt. 11.5 oz. (326 grams) Volume 15.91 fl. oz.

BG Battery Cleaner - Acid Detector Part No. 485

Foaming cleaner to remove the power-sapping corrosives that rob battery of power and shorten battery life. Unique acid detecting ingredient turns red in the presence of acid to warn of the need for additional cleaning; also indicates presence of a crack or leak around terminal.

Net Wt. 14 oz. (397 grams) Volume 14.19 fl. oz.

BG Chain Lube Part No. 495

Developed specially for roller chain lubrication; recommended for all applications where an adhesive oil lubricant is needed. Contains moly for added lubrication. Foams on-no messy overspray, resistant to water washout. Highly adhesive to metal surfaces. Lubricates well in extremes of heat and cold. Stays put under friction and heat.

Net Wt. 15 oz. (425 grams) Volume 13.44 fl. oz.

BG All Coat Part No. 497

Tough, adhesive lubricant formulated to protect and lubricate under extreme conditions. Excellent anti-wear properties. Especially effective where resistance to steam, water, dirt and corrosion is a requirement.

Net Wt. 14.25 oz. (404 grams) Volume 15.34 fl. oz.

BG HCF Lubricant Part No. 498

All-purpose spray lubricant. Unbelievably tough and stays where you need lubrication in temperatures as high as 550°F. Under water, it stays where it's exposed to harsh chemicals and in salt water environments. Superior under heavy loads. Highly effective rust protector. Excellent chain lubricant.

Net Wt. 16 oz. (453 grams) Volume 13.8 fl. oz.

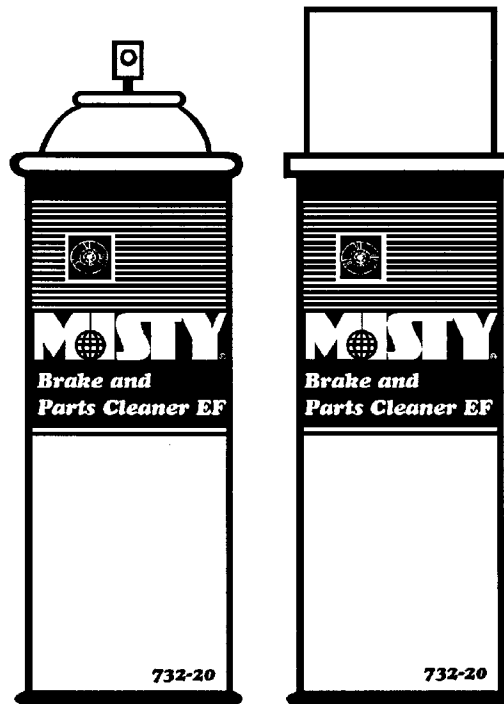
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PRODUCT BULLETIN

732-20 BRAKE & PARTS CLEANER EF

- *Blasts Away Deposits*
- *No Chlorinated or Fluorinated Solvents*
- *No Fouled Waste Oil*
- *Removes Brake Fluid, Grease and Oil*
- *Contains No Lead, Phosphorous or Silicone*
- *Meets or exceeds California V.O.C. Limits*



DESCRIPTION

This highly concentrated solvent blend provides maximum performance in a brake parts cleaner without the use of ozone depleters or chlorinated solvents. Powerful blasting spray easily removes brake fluid, grease, oily dirt and contaminants from linings, pads and drums, cylinders and springs without disassembling the unit. Also includes extension tubes for hard to reach areas. Will not foul waste oil. Excellent all around metal parts cleaner. This special formulation meets or exceeds the 1/1/97 V.O.C. requirements for California. 20 ounce can.

MARKETS

Any city or county garage or bus barn, car dealer mechanic, fleet operator mechanic, school maintenance man, hospital, nursing home, or any call where there is equipment and a work bench. This product is used heavily as a parts cleaner. Any golf course, park and recreation department where they do a lot of mowing. Any equipment rental company where they have to repair the equipment when it comes back in.

DIRECTIONS

Remove cap and insert extension tube provided into spray tip. Hold can upright and keep tip pointed at red dot on valve cup. Spray brake parts liberally and allow to run off. Air or towel dry with clean, soft wiper. Repeat as necessary.

DISTRIBUTED BY

MADE IN USA BY

990 Industrial Park Drive
Marietta, GA 30062

PRODUCT BULLETIN

734-20 BRAKE & PARTS CLEANER II

- *Blasts Away Deposits*
- *No Chlorinated or Fluorinated Solvents*
- *No Fouled Waste Oil*
- *Removes Brake Fluid, Grease and Oil*
- *Contains No Lead, Phosphorous or Silicone*



DESCRIPTION

This highly concentrated solvent blend provides maximum performance in a brake parts cleaner without the use of ozone depleters or chlorinated solvents. Powerful blasting spray easily removes brake fluid, grease, oily dirt and contaminants from linings, pads and drums, cylinders and springs without disassembling the unit. Also includes extension tubes for hard to reach areas. Will not foul waste oil. Excellent all around metal parts cleaner. 20 ounce can.

MARKETS

Any city or county garage or bus barn, car dealer mechanic, fleet operator mechanic, school maintenance man, hospital, nursing home, or any call where there is equipment and a work bench. This product is used heavily as a parts cleaner. Any golf course, park and recreation department where they do a lot of mowing. Any equipment rental company where they have to repair the equipment when it comes back in.

DIRECTIONS

Remove cap and insert extension tube provided into spray tip. Hold can upright and keep tip pointed at red dot on valve cup. Spray brake parts liberally and allow to run off. Air or towel dry with clean, soft wiper. Repeat as necessary. Protect rubber and plastic parts from spray.

DISTRIBUTED BY

MADE IN USA BY

990 Industrial Park Drive
Marietta, GA 30062

BRAKE MAINTENANCE PRODUCTS

Beginning in 1971 with industry leader BRAKLEEN, the original aerosol brake parts cleaner, CRC has earned its reputation as "The Brake Experts." BRAKLEEN was the very first product of its kind, and for more than 25 years, thousands of professional mechanics and automotive do-it-yourselfers have learned to rely on BRAKLEEN for fast, cost-effective solutions to all brake and clutch servicing problems.

CRC has since expanded its line of quality brake maintenance products to include Disc Brake Quiet and Brake Caliper Synthetic Grease. These products are the result of innovative technology combined with the same dedication to product superiority, regulatory compliance and safety that have made BRAKLEEN #1. Trust "The Brake Experts" for all your brake care needs as CRC continues its commitment to quality into the 21st century.

CRC Brakleen®

Brake Parts Cleaner

Quickly removes brake fluid, grease, oil and other contaminants from brake linings and pads. Helps brakes last longer and perform more efficiently.

- Cleans fast/Dries fast/No residue
- Degreases instantly
- Non-flammable
- Works without disassembly

Part No.	Net Content	Units Per Case
05089	19 oz.	12
05089T	19 oz.	12
05090	1 gallon	4
05091	5 gallons	1
05093	55 gallons	1

CRC Disc Brake Quiet

Forms a water resistant, high temperature film that instantly absorbs noise and quiets disc brake squeaks and squeals. Easy to apply to new or previously installed pads.

Part No.	Net Content	Units Per Case
05016	4 fl. oz. (polymer)	12
05017*	9 oz. (aerosol)	12
05115	2.5 oz. (carded)	12

NON-CHLORINATED FORMULA

CRC Brakleen®

Brake Parts Cleaner

Use where compliance calls for a chlorine-free product. Quickly removes brake fluid, grease, oil and other contaminants from brake linings and pads.

- Cleans fast/Dries fast/No residue
- Degreases instantly
- Works without disassembly
- Contains no chlorinated solvents

Part No.	Net Content	Units Per Case
05088*	15 oz.	12
05085*	1 gallon	4
05086*	5 gallons	1
05087*	55 gallons	1



CRC Brake Caliper Synthetic Grease

Synthetic base grease designed for today's high tech braking systems. Prevents caliper binding, sticking, vibration and squeal. Use on components of disc brake systems, caliper assemblies, metal backing plates of the disc brake pad, self-adjusters and drum brake systems.

- Contains molybdenum disulfide, graphite, extreme pressure agents, anti-seize polymers and TEFLON®
- Long-lasting, anti-corrosive, anti-fretting, and moisture resistant
- Won't melt and run off
- Eliminates uneven pad wear due to vibration

Part No.	Net Content	Units Per Case
05351	2.5 oz. tube	6
05352	2.5cc units (carded)	12
05353	12 oz. tub w/brush	12
05354	2.5 oz. tube (carded)	12
05355	35 lb. pail	1



The Brake Experts.

**This product is EXTREMELY FLAMMABLE.
Read and observe the special usage warning on the label.
Do not apply while equipment is energized.*

CLEANERS/DEGREASERS

CRC Lectra-Motive®

Electric Parts Cleaner

- Provides fast, thorough cleaning for non-sensitive electrical equipment
- Dissolves grease, oil, dirt and wax
- Leaves no residue/Non-flammable

Part No.	Net Content	Units Per Case
05018	19 oz.	12
05019	1 gallon	4
05022	5 gallons	1
05024	55 gallons	1

CRC Gasket Remover

- Quickly removes the most stubborn gaskets, even in high-temperature areas
- Removes paint and decals
- Dissolves gasket cement within minutes

Part No.	Net Content	Units Per Case
05021*	12 oz.	12

CRC Engine Degreaser

Heavy Duty Cleaner

- Quickly lifts grease and grime off engines for cooler, more efficient running
- Leaves no residue
- Easy to use; Spray on - rinse off

Part No.	Net Content	Units Per Case
05025	15 oz.	12

CRC Battery Cleaner

- Removes corrosion; neutralizes acid spills
- Reduces voltage leakage
- Assures maximum battery current flow

Part No.	Net Content	Units Per Case
05023	11 oz.	12

CRC Battery Terminal Protector

- Protects terminals from corrosion for improved starting and longer battery life
- Provides lead-free protective coating
- Dries quickly and protects instantly

Part No.	Net Content	Units Per Case
05046*	7.5 oz.	12

CRC Clean-R-Carb™

Carburetor Cleaner

- Maximizes carburetor performance
- Quickly dissolves deposits on chokes, carb linkage, heat risers and PCV system
- Harmless to catalytic converters and oxygen sensors

Part No.	Net Content	Units Per Case
05079*	12 oz.	12
05081*	16 oz.	12

CRC Fuel Injection Air-Intake Cleaner

- Removes gum and varnish from throttle valves and body
- Lubricates butterfly and all moving parts
- Leaves behind a corrosion-resistant film

Part No.	Net Content	Units Per Case
05078*	12 oz.	12

CRC QD™ Electronic Cleaner

- Excellent precision cleaning solvent
- Instantly removes oil, grease, dirt, flux
- No residue/Harmless to most plastics

Part No.	Net Content	Units Per Case
05101*	4.5 oz.	12
05102*	11 oz.	12

CRC Natural Degreaser™

Cleaner/Degreaser

- Removes tough grease, oil, and grime
- All-natural and biodegradable
- Contains no chlorinated solvents or petroleum distillates

Part No.	Net Content	Units Per Case
14005	16 oz.	12

CRC TYME®-1

Carburetor & Cold Parts Cleaner

- Removes carbon, varnish and grease
- Safely cleans aluminum and other metals
- Non-corrosive/Non-flammable

Part No.	Net Content	Units Per Case
14101	1 gallon	4
14104	5 gallons	1

CRC HydroForce™

AQUEOUS CLEANERS

Foaming Citrus All Purpose Cleaner

- Quick, super foaming action with fresh citrus scent
- Non-abrasive; safe on most surfaces

Part No.	Net Content	Units Per Case
14400	18 oz.	12

Butyl-Free All Purpose Cleaner/Degreaser

- Aggressively attacks and removes tough dirt, dust and grime
- Safe for all routine cleaning tasks

Part No.	Net Content	Units Per Case
14401	28 fl. oz.	12
14402	1 gallon	4
14403	5 gallons	1
14404	55 gallons	1
14405	18 oz.	12

All Purpose Cleaner/Degreaser

- Removes grease, oil and dirt on contact
- Cleans up to three times the surface area of leading aqueous-based cleaners

Part No.	Net Content	Units Per Case
14406	18 oz.	12
14407	28 fl. oz.	12
14408	1 gallon	4
14409	5 gallons	1
14410	55 gallons	1

Glass Cleaner Professional Strength

- Streak-free/Residue-free
- Ammonia-fortified formula cuts through tough dirt, dust, haze and fingerprints

Part No.	Net Content	Units Per Case
14411	28 fl. oz.	12
14412	18 oz.	12
14413	1 gallon	4

Industrial Strength Cleaner/Degreaser

- Heavy duty formula rivals performance of traditional solvent-based degreasers
- Cleans up to three times the surface area of leading aqueous-based cleaners

Part No.	Net Content	Units Per Case
14414	18 oz.	12
14415	28 fl. oz.	12
14416	1 gallon	4
14417	5 gallons	1
14418	55 gallons	1



*This product is EXTREMELY FLAMMABLE. Read and observe the special usage warning on the label. Do not apply while equipment is energized.



- The number one Brake Parts Cleaner since 1971
- Effectively removes brake fluid, grease, oil and other contaminants from all types of brake assemblies and parts
- Cleans fast/Dries fast
- Leaves no residue
- Works without disassembly
- Helps brakes last longer and perform more efficiently
- Available in 3 formulas: Regular, Non-Chlorinated and Low VOC Non-Chlorinated



Usage: Apply CRC Bräkleen® to remove contaminants on component parts including rotors, drums, cylinders, calipers, brake hardware (attaching pins, bushings, sleeves, support keys, bolts and anti-rattle clips/springs), inboard/outboard pads, primary/secondary shoes, springs and adjusters. Use a small stiff brush to help remove caked-on build-up or rust. Allow parts to air dry or wipe with a clean cloth.

Bräkleen® Brake Parts Cleaner

Part No.	Net Content	Units per case
05089	19 oz.	12
05089T	19 oz.	12
05090	1 gallon	4
05091	5 gallons	1
05093	55 gallons	1

Bräkleen® Non-Chlorinated Brake Parts Cleaner

Part No.	Net Content	Units per case
05088*	15 oz.	12
05084* Low VOC	15 oz.	12
05085*	1 gallon	4
05086*	5 gallons	1
05087*	55 gallons	1



Usage: Remove pads and clean with CRC Bräkleen® Brake Parts Cleaner. Liberally and evenly coat entire steel back of each inboard and outboard disc pad with CRC Disc Brake Quiet™. (DO NOT apply to brake linings, rotors, or any other moving parts.) Allow to set for 10 minutes and install disc pads; pads may be installed while still tacky.

Disc Brake Quiet™

Part No.	Net Content	Units per case
05016	4 fl. oz. (polymer)	12
05017*	9 oz. (aerosol)	12
05115	2-5 oz. (carded)	12



- For use on new and previously installed disc pads
- Dampens vibrations that cause disc brake squeaks and squeals
- Forms a water-resistant, high-temperature film that instantly absorbs noise
- Eliminates time-consuming adjustments

*This product is EXTREMELY FLAMMABLE. Read and observe the special usage warning on the label. Do not apply while equipment is energized.

AUTOMOTIVE & INDUSTRIAL MAINTENANCE

Brake Parts Cleaning

Zep aerosols contain No CFCs

ZEP BRAKE BUGGY™ Brake Parts Cleaning System

Portable, pneumatic, brake cleaner uses 5 gallons of recirculating solution to remove grease, dirt and brake dust from car or truck brakes. Height control allows for easy positioning under vehicles on a lift cylinder. The Catch Tray features a fusible, safety-link and spring-loaded lid that activates to close off the unit in the event of a fire. The Brake Buggy utilizes an air-operated pump which has an air-pressure regulator. Cleaning solution is continuously filtered through a Filter canister containing a 50-micron, pleated, paper Filter Element, and a 10-micron, polyester Sock to collect dirt and particulates. Solution is applied through a trigger flow brush. Unit measures 24 1/4" x 36" x 19 3/4".

Brake Buggy Unit

Prod. #9094

Brake Buggy Filter Canister

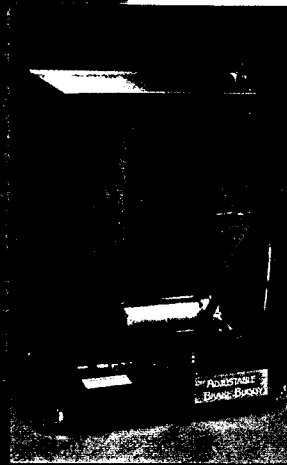
Prod. #9098

Brake Buggy Filter Element

Prod. #9096

Brake Buggy Sock

Prod. #9093



ZEP ADJUSTABLE BRAKE BUGGY™ Brake Parts Cleaning System

A portable, low-profile, air-operated brake parts washer designed for efficient and quick cleaning of automotive vehicle brake parts. A unique nested post assembly provides adjustable height control, allowing for easy use under vehicles lifted off the floor with a manual floor jack or elevated by a hydraulic lift cylinder. The fluid reservoir accommodates up to 5 gallons of brake wash fluid, such as Zep Brake Wash. The unit's circulating pump is air-operated with a flow-thru brush system adapted for fingertip control. A constant pressure regulator maintains 40 psi of air. The spring-loaded, fuse-linked, fire-protective lid doubles as a drain closure to prevent product evaporation when unit is not in use. Casters attached to outrigger brackets on sides of unit provide excellent portability and stability. The optional Adjustable Brake Buggy 5100 Filter Kit installs onto the unit to filter and remove particulate matter.

Adjustable Brake Buggy Unit

Prod. #9105

Adjustable Brake Buggy Filter Kit

Prod. #9106

ZEP BRAKE WASH™ Non-Chlorinated, Solvent Brake Parts Cleaner

Removes asbestos dust, oil, grease, brake fluid, and other soils from brake parts. Evaporates quickly and leaves no residue. Can be used on any type of brake equipment, assembled or disassembled.

Liquid Prod. #0505

Aerosol Prod. #0287



ZEP BRAKE PARTS CLEANER™ Heavy-Duty Solvent

Effectively removes asbestos dust, oil, grease, brake fluid, and other soils from brake parts. Thoroughly wets and washes away asbestos dust. Evaporates quickly, leaves no residue. Stops disc brake squeal. Non-flammable. (Do not use Brake Parts Cleaner when using the optional 5100 Filter Kit.

Prod. #0194

ZEP BRAKE SOL™ Liquid Brake Parts Cleaner

A blended safety brake cleaning solvent formulated to remove asbestos dust, oil, grease, brake fluid, and dirt from brake parts, plates, springs and shoes. Controls the level of hazardous asbestos dust in the air. Evaporates quickly and completely. Will not adversely affect brake parts and pads.

Prod. #0500





BRAKE SYSTEM PRODUCTS

AM7-20

ENVIRONMENTAL BRAKE CLEANER

Formulated to dissolve and remove brake fluid, oil grease and other contaminants from all types of brake assemblies safely and quickly. Contains no carcinogens or silicones.

Part No.	Description	Net Cont.	Case Count
AM7-20/6	Aerosol	18 oz..	6

DISC BRAKE QUIET

Stop disc brake squeal, squeak and chatter that can result in costly labor tie-ups from brake adjustment "comebacks."

Part No.	Description	Net Cont.	Case Count
M6-01V	2 Carded Tubes	¼ oz. each.	10
M6-04	Can	4 oz.	12
M6-09	Aerosol	9 oz.	12

NON-CHLORINATED BRAKE CLEANER

Fast....Effective...No Chlorinated Solvents

High solvency and fast evaporative properties quickly dissolve and flush away brake fluid, oil, and other contaminants from all types of brake and CV Joint assemblies.

Spray can be applied without disassembly of the unit. Leaves no residue. Helps to eliminate brake squeal and "chatter".

Part No.	Description	Net Cont.	Case Count
M7-15	Aerosol	15 oz..	12

BRAKE AND CV JOINT CLEANER

High solvency and fast evaporation spray instantly degreases both conventional and disc brake assemblies. Quickly dissolves and flushes away brake fluid, grease, oil and other contaminants without disassembly.

Part No.	Description	Net Cont.	Case Count
M7-20	Aerosol	22 oz..	12
M7-20/6	Aerosol	22 oz.	6
M7-34	Jug	1 gal.	4
M7-49	Drum	54 gal.	1

DOT 3 SUPER HD BRAKE FLUID

Minimum boil point 450° F. Meets and exceeds DOT 3 and all other Federal and SAE specifications and standards for motor vehicle brake fluid. Resists boiling under heavy and constant braking. Mixes with all other approved brake fluids. Suitable for use in ATE, Girling, Lockheed and other systems.

Part No.	Description	Net Cont.	Case Count
M43-12	Bottle	12 oz..	24
M43-32	Bottle	32 oz.	12
M43-34	Can	1 gal.	4

DOT 3 STANDARD HD BRAKE FLUID

Meets and complies with DOT3 Federal Standard No.116. Exceeds Fed. Spec. VV-b680 and SAE Spec. J1703. Designed for U.S. and foreign cars and trucks where DOT 3 fluid is specified.

Part No.	Description	Net Cont.	Case Count
M44-12	Bottle	12 oz..	24
M44-12/12	Bottle	12 oz.	12
M44-32	Can	32 oz..	12
M44-34	Can	1 gal.	4
M44-40	Pail	5 gal.	1
M44-49	Drum	54 gal.	1



M44-12

M43-12